(No Model.)

J. O. GORDON.

COMBINED END GATE AND SCOOP BOARD.

No. 319,229. Patented June 2, 1885.

Fig. 1

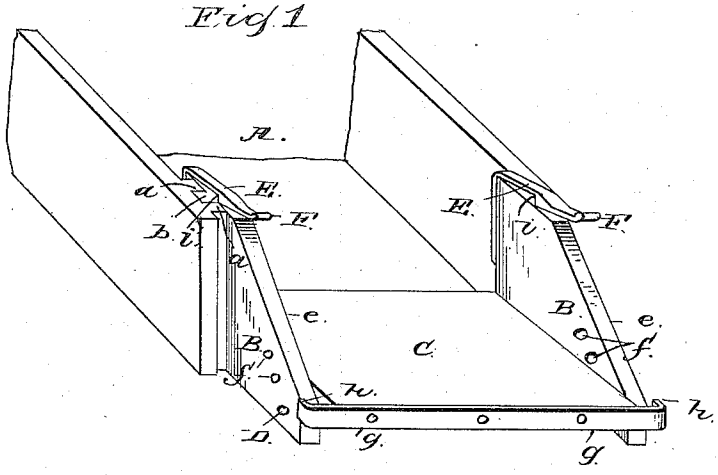


Fig. 2

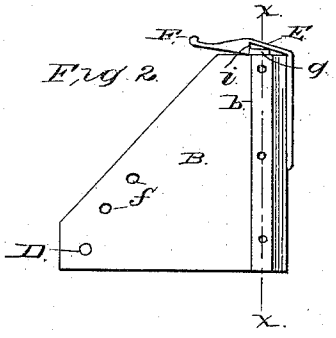
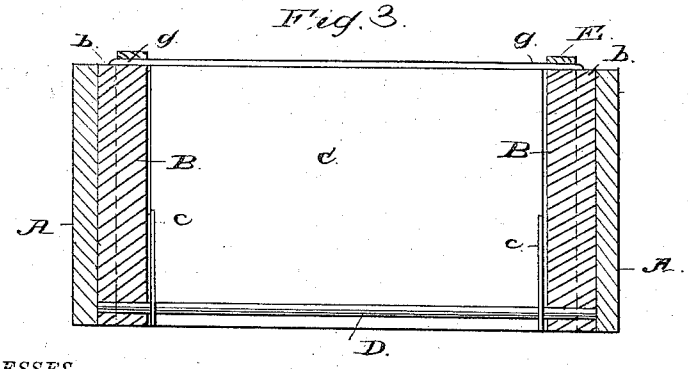


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN OTHO GORDON, OF INDEPENDENCE, KANSAS.

COMBINED END-GATE AND SCOOP-BOARD.

SPECIFICATION forming part of Letters Patent No. 319,229, dated June 2, 1885.

Application filed March 20, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOHN O. GORDON, a citizen of the United States, residing at Independence, in the county of Montgomery and State of Kansas, have invented a new and useful Improvement in End-Gates and Scoop-Boards Combined, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to a combined end-gate and scoop-board; and it has for its object to provide improved means for holding the gate in a raised position and to guide it when being lowered, and to provide improved means for supporting the gate in a lowered position.

A further object of the invention is to provide a combined end-gate and scoop-board which shall be simple in its construction, one that will be strong and durable, and may be manufactured at a slight cost.

With these ends in view the invention consists in the combination, with a wagon-body, of wings or strips adapted to be secured thereto, and a pivoted gate provided with catches.

The invention further consists in the improved construction and combinations of parts, hereinafter fully described, and pointed out in the claim.

In the drawings, Figure 1 is a perspective view of a portion of a wagon-body, showing my improved combined end-gate and scoop-board applied thereto, the gate being lowered. Fig. 2 is a side elevation of my improvement detached, and Fig. 3 is a section on the line *x x* of Fig. 2.

In the accompanying drawings, in which like letters of reference indicate corresponding parts in all the figures, A represents a portion of a wagon-body, the sides of which are provided on their inner sides, adjacent to their rear ends, with guide-cleats *a*.

B represents wings or strips, which are provided on their outer sides, near their forward ends, with cleats *b*, which are adapted to fit between the guide-cleats *a* on the inner sides of the wagon-body.

C represents the gate, which is provided on its ends, at the lower corners thereof, with downwardly-extending plates *c*, which are provided with holes or openings. The gate C is pivoted between the wings or strips B by means of a rod or bar, D. The rear ends of the wings or strips B are inclined downwardly, as shown at *e*, and said wings or strips are connected at their lower ends by a bar or rod, D, which is adjustable in a series of holes or openings, *f*, formed in said wings or strips.

The gate, when lowered, is adapted to rest upon the bar or rod D and be supported thereby. The inclination of the gate may be varied by raising or lowering the bar-rod D, as desired.

Upon the upper edge the gate C is provided with outwardly-extending plates *g*, having downturned ends *h*, which are adapted to fit over the upper edges of the wings or strips B and guide and steady the gate when raised or lowered.

Upon the upper ends of the wings or strips B are provided spring-plates E, formed upon their under sides with recesses or seats *i*, to receive the plates *g*, said plates E having finger-pieces F, by which they may be raised to disengage the plates *g*.

The gate, when in a raised position, is held in place by the spring-plates E engaging the plates *g* on the gate, and to disengage the gate the plates E are raised, thus releasing the plates *g* and allowing the gate to be lowered.

The gate, when lowered, rests upon the bar or rod D, and is supported by the same. As the wings or strips B extend beyond the sides of the wagon, it will be seen that when the gate is lowered the said strips, in connection with the gate, form a scoop-board.

My improvements before described are simple in their construction, readily and easily applied, strong and durable, and convenient and efficient for the purposes intended.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The wings or strips having cleats upon their outer sides, a gate pivoted between said

wings, a bar connecting the wings and adapted to support the gate when lowered, in combination with guide-cleats secured to the inner sides of the body, spring-catches on said guide-cleats, and a plate or plates, *g*, having bent ends, as shown, and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN OTHO GORDON.

Witnesses:

JOHN C. MATTHEWS,

WILLIAM L. GORDON.